

Fossil flora from the Kazanian (Middle Permian) Iva-Gora locality, Soyana River, Arkhangelsk Region, Russia

Naugolnykh S.

Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2015, Pleiades Publishing, Ltd. A floral assemblage from the Iva-Gora locality (middle reaches of the Soyana River, Arkhangelsk Region) is described. The flora includes lycopsids, sphenophytes, ferns, peltasperms (order Peltaspermales, families Peltaspermaceae and Angaropeltaceae), conifers, and vojnovskians (order Vojnovskyales). A new genus of isolated seeds, *Megasylvella* gen. nov., is established. *Praephylladoderma sojanaeana* (Zalessky, 1937) Naugolnykh, comb. nov., emend. nov. is newly combined. The new species *Megasylvella ivagorica* Naugolnykh, sp. nov. and *Radicites trimorphus* Naugolnykh, sp. nov. are described.

<http://dx.doi.org/10.1134/S0031030115110076>

Keywords

gymnosperms, Kazanian, morphology, new taxa, paleobotany, Permian, pteridophytes, roots, seeds